Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Monday 14 Feb 2022 until 23:59 on Tuesday 15 Feb 2022

Forecast Issued on Sunday 13 Feb 2022 at 15:01

Confidence: A very unsettled week with periods of wet weather and very strong winds towards the end of the week. Uncertainty in timings of rainfall and low cloud detail but good confidence in general outline.

Headline for Monday 14 Feb 2022: Rain in the morning, a brighter afternoon, strong northwesterly winds later.

Mountain weather hazards on Monday 14 Feb 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Dull	Light rain	Heavy Rain	Heavy Rain	Light rain	Cloudy	Cloudy	Cloudy
Precipitation probability							
20%	20%	60%	60%	40%	20%	10%	10%

Forecast for Monday 14 Feb 2022

Weather: Dry in the early hours but a lot of low cloud developing around the hill tops. An area of rain will move across the area towards dawn, freezing level will be around 700m so the higher summits seeing some sleet. There will be some breaks in the rain at times and mostly clearing by early afternoon, although it will remain quite cloudy through the afternoon. Cloud breaking and clearing towards the evening.

Chance of cloud-free hill tops above 600m: 30% rising to 70% by late afternoon, cloud will clear slowly during the afternoon as rain clears south.

Low cloud and visibility: Broken low cloud layers are likely in the morning from 400m and above, a few brighter spells may be found by late morning around eastern or southern areas. Cloud bases will become more scattered and lift to 600m in the afternoon with a few clear summits expected by later afternoon. Visbility will be moderate or poor in the morning and in sleet on the summits visibility may be very poor at times with good navigation skills required. General visibility will be good by late afternoon.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Monday 14 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/26 W	20/26 W	20/27 W	20/27 W	18/25 W	20/27 NW	19/27 W	19/26 W	17/25 W
300	14/20 W	15/22 W	16/24 W	16/24 W	15/22 W	16/24 NW	17/25 W	15/24 W	13/21 W
Valley	10/20 W	11/22 W	11/23 W	11/22 W	11/21 W	12/24 NW	11/24 NW	10/22 W	10/21 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-3	2/-4	2/-4	2/-4	2/-4	2/-4	1/-5	0/-6	0/-6
300	5/1	4/-0	4/-1	4/-1	4/-0	4/-0	4/-1	3/-2	2/-2
Valley	5/2	5/1	4/1	4/1	5/1	5/2	4/0	4/-0	3/-1
Freezing Level*	1000m	900m	900m	800m	800m	800m	700m	600m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Cold northwesterly winds will strengthen and be quite gusty by mid afternoon, freezing level will also lower adding to the wind chill effect.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 13 Feb 2022	11.8mm	14mm	15.2mm

Forecast for Tuesday 15 Feb 2022

Weather: Some clearer spells overnight but clouding over towards dawn as a band of rain will spread east during the morning.The rain will clear quite quickly in the morning with brisk, cold westerly winds afterwards, this will drive a few wintry showers through the area later on Tuesday, falling as snow around 600m.

Maximum wind: Southwesterly 25mph gusts 40mph, turning westerly later 20 mph with gusts 30mph.

Chance of cloud-free hill tops above 600m: 40% associated with rain moving east in the morning, improving to 70% in the afternoon as most hill tops seeing some clearance but cloud lowering over the summits in any showers.

Low cloud and visibility: Scattered or broken cloud above 500m in the morning as rain and sleet moves east, visibility in the rain will be moderate for a time but improving quite readily by mid morning and cloud bases lifting. Some patches or scattered cloud will form around the tops in any wintry afternoon showers and visibility may turn quite poor for a time as the shower passes.

Temperature: **Valleys:** Plus 5 or 6 Celsius.
At 600m: Plus 3 Celsius.
Freezing level: 7-800m

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